

Recovery Plan Action Status

Plan Name: Chihuahua Chub

Plan Status: Final

Plan Date: 14-Apr-86

Lead Agency: USFWS

Lead Office: New Mexico Ecological Services Field Office

(505)

346-2525)

| Species | Action Priority # | Action # | Action Description | Action Status | Est. Initiation Date | Est. Completion Date | Responsible Parties | Work Type | Labor Type | Action Comments |
|-------------------------------------|-------------------|----------|--|-----------------|----------------------|----------------------|--|--|------------|--|
| Chihuahua chub (Gila nigrescens) | 2 | 11 | Monitor chubs and chub habitat | Ongoing Current | Prior to FY 1995 | | New Mexico Department of Game and Fish, U.S. Fish and Wildlife Service, Fisheries Resource Division, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 2 | Research: Population Surveys | Contract | Population monitoring work is done annually by New Mexico Dept of Game and Fish. |
| Chihuahua chub (Gila nigrescens) | 3 | 121 | Determine preferred chub habitat | Complete | Prior to FY 1995 | FY 1995 - FY 1999 | U.S. Fish and Wildlife Service, Division of Realty, New Mexico Department of Game and Fish, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 2 | Research: Habitat Requirements | Contract | Work was done through Section 6 grants to New Mexico Dept of Game and Fish |
| Chihuahua chub (Gila nigrescens) | 2 | 122 | Provide flood protection consistent with habitat need for the chub | Ongoing Current | FY 1995 - FY 1999 | | U.S. Fish and Wildlife Service, Office of Endangered Species, Corps of Engineers, USFWS Regional Office 2 | Management: Habitat Maintenance and Manipulation | Contract | A low water crossing was constructed on Mimbres in 1996 (date unknown). Flooding in 2005 caused some bank cutting and compromised the fish screen at Bear Canyon Reservoir. Screen was repaired, do not know who did the work. |

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| Chihuahua chub (Gila nigrescens) | 3 | 123 | Recreate chub habitat | Not Started | | | New Mexico Department of Game and Fish, U.S. Fish and Wildlife Service, Office of Endangered Species, Corps of Engineers, USFWS Regional Office 2 | Management: Habitat Maintenance and Manipulation | Internal Administrative | Sites were identified in the Recovery plan for restoration, but there is no record that any work has been completed |
| Chihuahua chub (Gila nigrescens) | 1 | 124 | Provide protection and enhance existing habitats | Partially Complete | Prior to FY 1995 | | New Mexico Department of Game and Fish, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 2 | Acquisition | Labor type not yet selected | The Nature Conservancy bought 600 acres of land around the Mimbres River in 1994 which provides protection to the species. In 1995, they added 133 acres of riverine habitat to the Mimbres River Preserve, protecting more than 2 miles of chub habitat. An agreement between The Nature Conservancy and the Moreno family enabled fencing of a portion of Moreno Spring to exclude livestock. TNC entered into a Partners agreement and fenced the Moreno Tract of the Upper Mimbres River in 1998. In 2002 TNC added 9 acres to the Mimbres River Preserve. The Partners for Fish & Wildlife Program is working with new landowners on the Mimbres River to provide additional protection to stream banks (2009) |

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| Chihuahua chub (Gila nigrescens) | 2 | 131 | Ban the introduction of non-native fish | Ongoing Current | Prior to FY 1995 | | U.S. Fish and Wildlife Service, Law Enforcement Division, New Mexico Department of Game and Fish, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 2 | Management: Predator and Competitor Control | Internal Administrative | Non-native fish are not stocked in the Mimbres River but they are stocked in Bear Canyon Reservoir that spills into the Mimbres. However, there is a fish screen in place. An intra-service consultation on stocking of nonnatives in NM is ongoing (2009) |
| Chihuahua chub (Gila nigrescens) | 2 | 132 | Prohibit taking minnowa for bait | Ongoing Current | Prior to FY 1995 | | U.S. Fish and Wildlife Service, Law Enforcement Division, New Mexico Department of Game and Fish, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 2 | Management: Predator and Competitor Control | Contract | NMDGF prohibits collection of minnows for bait from the Mimbres River |
| Chihuahua chub (Gila nigrescens) | 3 | 133 | Provide irrigation diversions which are consistent with chub needs | Not Started | | | New Mexico Department of Game and Fish, U.S. Fish and Wildlife Service, Office of Endangered Species, Corps of Engineers, USFWS Regional Office 2 | Work type not yet selected | Labor type not yet selected | The annual establishment and constant maintenance of temporary irrigation diversions within the Mimbres River increases the silt load and degrades chub habitat. Permanent diversions that do not interfere with fish movement and do not dewater the stream were suggested in the Recovery Plan. |
| Chihuahua chub (Gila nigrescens) | 1 | 2 | Hold propagate chubs in a hatchery | Ongoing Current | Prior to FY 1995 | | U.S. Fish and Wildlife Service, Fisheries Resource Division, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 2 | Management: Propagation | Internal Technical Assistance | Fish are propagated and held at Dexter National Fish Hatchery. Stocking occurs nearly every year. |

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| Chihuahua chub (Gila nigrescens) | 3 | 3 | Determine genetic taxonomic relationships | Not Started | | | U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 2 | Work type not yet selected | Labor type not yet selected | Work has not been started or accomplished. |
| Chihuahua chub (Gila nigrescens) | 3 | 4 | Reestablish 4 and monitor the chub | Ongoing Current | Prior to FY 1995 | | New Mexico Department of Game and Fish, U.S. Fish and Wildlife Service, Fisheries Resource Division, U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 2 | Management: Reintroduction | Internal Field Assistance, Internal Technical Assistance, Species Expert | In October 1992, 450 Chihuahua Chub were stocked in McKnight Creek. In 1993, 6 chub were recovered from the reach that was stocked but in 1997, none were found. 515 chub were stocked in McKnight Cr in 1998. 5 were found there in 2000, and 3 in 2001. None have been found in recent years. McKnight Creek is a marginal site for reintroductions because of very low flows especially in drought years. There are few potential sites for reintroduction in its historic range in NM because of low flows. |
| Chihuahua chub (Gila nigrescens) | 3 | 5 | Disseminate information | Not Started | | | U.S. Fish and Wildlife Service, Office of Endangered Species, USFWS Regional Office 2 | Work type not yet selected | Labor type not yet selected | Contract production of a pamphlet and video. There is no record that this task was ever done. |